CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2008 Certified Company

JAS-ANZ
ISO 9001:2000 CERTIFIED

Job No.: CQCE/BBMP/KRIDL/W.No.16/2017-18 Date: 09.03.2018

TEST REPORT

CLIENT	:	**Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
AGENCY	:	**Technical Manager,** KRIDL, Bangalore.
NAME OF THE WORK	:	Providing drinking water facilities in Ward Office Road, Ayyappanagara and Surrounding Areas in Ward No.16 Jahalahalli, BBMP, Bangalore.
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-1989
1	a) Initial Setting Time	IS-4031 (Part -5)	130 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	380 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.00 %	-

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported reported within 15days from the date of testing.

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ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Authorised Signatory

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Job No.: CQCE/BBMP/KRIDL/W.No.16/2017-18 Date : 09.03.2018

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency : **Technical Manager,** KRIDL, Bangalore.
Name of Work : Providing drinking water facilities in Ward Office Road, Ayyappanagara and Surrounding Areas in Ward No.16 Jahalahalli, BBMP, Bangalore.

Date of Testing : 09.03.2018

Material : Sand Total Wt. of Aggregates **2000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	89	4.45	4.45	95.6	90-100
2.36	150	7.50	11.95	88.1	75-100
1.18	148	7.40	19.35	80.7	55-90
600 Micron	523	26.15	45.50	54.5	35-59
300 Micron	655	32.75	78.25	21.8	8-30
150 Micron	328	16.40	94.65	5.3	0-10

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For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Job No.: CQCE/BBMP/KRIDL/W.No.16/2017-18 Date : 09.03.2018

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
Agency : **Technical Manager,** KRIDL, Bangalore.
Name of Work : Providing drinking water facilities in Ward Office Road, Ayyappanagara and Surrounding Areas in Ward No.16 Jahalahalli, BBMP, Bangalore.

Date of Testing : 09.03.2018

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	194	1.29	1.29	98.71	95-100
20	8365	55.77	57.06	42.94	30-70
10	3541	23.61	80.67	19.33	10-35
4.75	2529	16.86	97.53	2.47	0-5

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ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Office & Laboratory : # 133, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore - 560 056.
e-mail:civilqualityconsultants@gmail.com Ph: 080-23240644 / Mob: 8553518550

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b No.: CQCE/BBMP/KRIDL/W.No.16/2017-18 Date : 09.03.2018

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

lient : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
gency : **Technical Manager,** KRIDL, Bangalore.
ame of Work : Providing drinking water facilities in Ward Office Road, Ayyappanagara and Surrounding Areas in Ward No.16 Jahalahalli, BBMP, Bangalore.
ate of Testing : 09.03.2018
aterial : 20mm Aggregates

Total Wt. of Aggregates in gms= 5000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	187	3.7	3.7	96.3	95-100
10	2956	59.1	62.9	37.1	25-55
4.75	1536	30.7	93.6	6.4	0-10

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